

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY
LETTERS PATENT OF THE UNITED STATES IS:

1. A hybrid blade (1) for thermal turbomachines,
5 having an airfoil (2) made of a metallic material of a
certain density, and having a blade root (3),
characterized in that the blade root (3), compared with
the airfoil (2), is made of a different metallic
material having a lower density, and in that the
10 airfoil (20) is connected to the blade root (3) in a
positive-locking manner.

2. The hybrid blade (1) as claimed in claim 1,
characterized in that said blade (1) is a compressor
15 blade, in particular a high-pressure compressor blade,
in which the airfoil (2) is made of a stainless CrNi
steel and the blade root (3) is made of a high-
temperature titanium alloy or an intermetallic gamma
titanium aluminide alloy or an intermetallic
20 orthorhombic titanium aluminide alloy.

3. The hybrid blade (1) as claimed in claim 1,
characterized in that said blade (1) is a turbine blade
in which the airfoil (2) is made of a superalloy, for
25 example a nickel-based superalloy, and the blade root
(3) is made of a high-temperature titanium alloy or an
intermetallic gamma titanium aluminide alloy or an
intermetallic orthorhombic titanium aluminide alloy.

30 4. The hybrid blade (1) as claimed in one of claims 1
to 3, characterized in that said blade (1) is a moving
blade.